

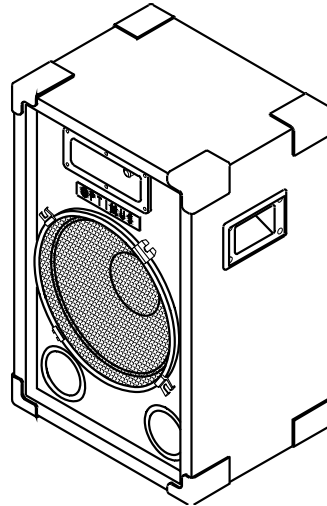
OPTIMUS®

Cat. No. 40-115

15-Inch 2-Way Speaker

Your Optimus 15-Inch 2-Way Speaker is designed to deliver uniform sound dispersion with excellent sound quality. Your speaker's protective corners and carrying handles make it portable, so you can use it anywhere you need it. It is ideal for clubs, schools, churches, conference rooms, auditoriums, and other locations that require controlled sound coverage.

The speaker's 15-inch woofer and piezo horn tweeter make it suitable for voice or music. Its 1/4-inch phone jack and two terminal posts make it easy to connect to any amplifier. You can connect two speakers to an amplifier for stereo sound.

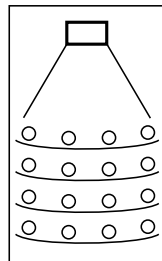


speaker's projection areas to prevent dead spots.

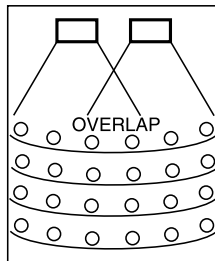
SPEAKER PLACEMENT

An ideal speaker system covers the listening area with a consistent volume level without reverberation (echo) or "dead" spots (areas without sound).

One Speaker



Two Speakers



To cover a wide area, you might need one or more additional speakers. If you use more than one speaker, overlap the

CONNECTIONS

Note: Be sure your amplifier is turned off before you make any wire connections.

Using the Speaker's Terminal Posts

Use color-coded, two-conductor, 18-gauge or larger speaker wire to connect the speaker to an amplifier using the speaker's terminal posts.

Note: You can find the proper speaker wire at your local RadioShack store.

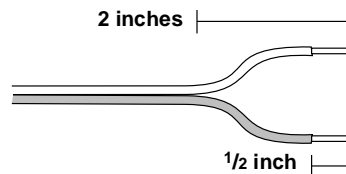
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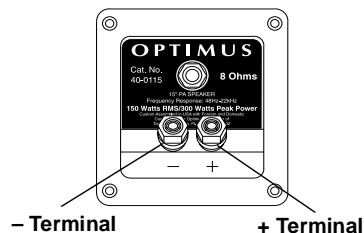
Speaker wire has two individual conductors (wires) covered with insulation, and is often marked to help you make the proper connections. Insulation on one side of the wire might have a ridge or colored stripe. Or, the two conductors might be different colors (silver and copper, for example).

For the best bass response, be sure to connect + on the speaker to + on the amp, and – on the speaker to – on the amp.

1. Separate the conductors at each end for about two inches, then strip $\frac{1}{2}$ inch of insulation from the end of each conductor.



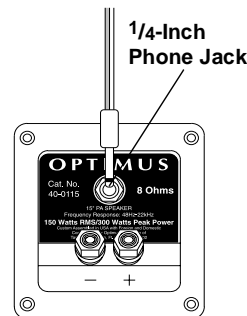
2. Unscrew the speaker's positive (+) terminal and insert a conductor's stripped end into the hole on the side of the terminal post.



3. Hand tighten the terminal to secure the wire in place.
4. Connect the conductor's other stripped end to the amplifier's positive (+) terminal.
5. Repeat Steps 2–5 to connect the speaker to the amplifier's negative (–) terminals.

Using the Speaker's Phone Jack

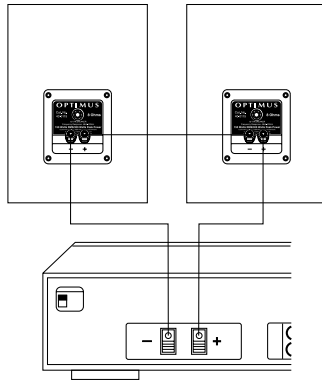
If your amplifier has an 8-ohm phone jack, use a speaker cable that has a phone plug on each end (such as RadioShack Cat. No. 42-2470) to connect the speaker's $\frac{1}{4}$ -inch phone jack to the amplifier's phone jack. Or, if your amplifier does not have an 8-ohm phone jack, use speaker wire that has a phone plug on one end to connect the speaker's $\frac{1}{4}$ -inch phone jack to the amplifier's terminals.



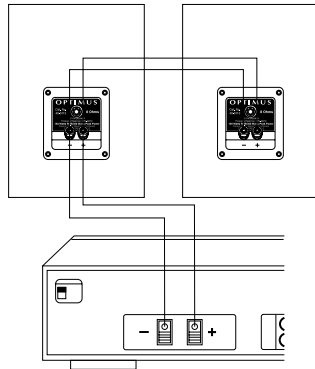
Connecting Two Speakers to a Monaural Amplifier

You can connect a second speaker to cover a wider listening area. The speaker puts an 8-ohm load on the amplifier. If you connect a second speaker in series, the load increases to 16 ohms. If you connect a second speaker in parallel, the load decreases to 4 ohms. Check your amplifier's specifications to see which connection to use.

Connecting Two Speakers in Series

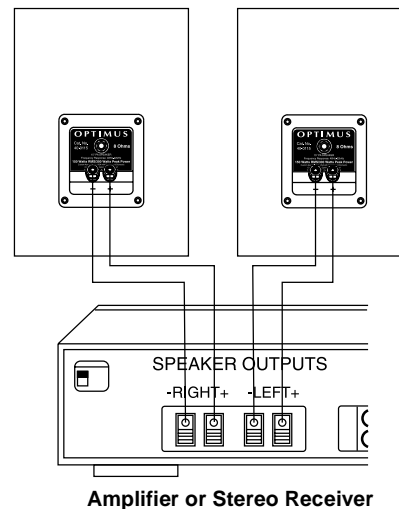


Connecting Two Speakers in Parallel



Connecting Two Speakers to a Stereo Amplifier

You can connect two speakers to an amplifier for stereo sound. Connect one speaker's positive (+) and negative (-) terminals to the amplifier's corresponding positive and negative left speaker terminals. Connect the other speaker's terminals to the amplifier's corresponding right speaker terminals.



CARE

To enjoy your Optimus 15-inch 2-Way Speaker for a long time:

- Keep the speaker dry. If it gets wet, wipe it dry immediately.
- Keep the speaker away from dust and dirt.

Caution: Do not clean the grill or speaker elements with a vacuum cleaner. Doing so might cause permanent damage. Use a feather duster or soft cloth instead.

SPECIFICATIONS

Type Two-Way System in Vented Enclosure
 Speaker Drivers 15-Inch Woofer and 2-Inch \times 6-Inch Horn Tweeter
 Power Handling 150 Watts RMS
 Maximum Power 300 Watts
 Frequency Range 48 Hz–22 kHz
 Impedance 8 Ohms
 Dimensions 27⁹/₁₆ \times 20¹/₂ \times 12⁹/₁₆ Inches (HWD)
 Shipping Weight 51.0 lbs

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.

Limited Five-Year Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for five (5) years from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow the limitations on how long an implied warranty lasts or the exclusion of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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